

IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)

8. (Previously Presented) A device for blocking an optical lens, comprising a lens holding tool to which the optical lens is to be fixed through a bonding agent, characterized by comprising:

a loading table on which the optical lens is to be placed with a concave surface thereof facing up;

a centering device which causes a geometric center of the optical lens to coincide with a center of said loading table;

a dripping device which drips the bonding agent onto the concave surface of the optical lens;

a moving device which moves the optical lens to a block position of said lens holding tool; and

a gap setting device which moves said lens holding tool and the optical lens in directions to relatively approach each other to set a predetermined gap therebetween, so that the bonding agent is spread,

wherein a dripping amount Q of bonding agent is calculated by the following equation:

$$Q = \pi TeDh^2 + \pi \left[-\frac{1}{3} (R - \sqrt{R^2 - Dh^2})^3 + R(R - \sqrt{R^2 - Dh^2})^2 \right] \\ - \pi \left[-\frac{1}{3} (Ch - \sqrt{Ch^2 - Dh^2})^3 + Ch(Ch - \sqrt{Ch^2 - Dh^2})^2 \right]$$

where

where Te is the thickness of the peripheral portion of the bonding agent after spreading,

Ch is the radius of curvature of a blocking surface of said lens holding tool,

R is the radius of curvature of the concave surface of the optical lens, and

2Dh is the diameter of the bonding agent after spreading.

9. (Cancelled)

10. (Currently Amended) A device for blocking an optical lens according to claim [[1]] 8, wherein said dripping device comprises

a gear pump which supplies the bonding agent,

a driving device which drives said gear pump intermittently, and

a dripping device which drips the bonding agent supplied by said gear pump onto the concave surface of the optical lens.

11. (Cancelled)